

Attorney Docket No. 13DV-13124-2 (07783-0149-2)
Application No. 10/663,320

B) AMENDMENTS TO THE SPECIFICATION

Please replace the first paragraph of the specification with the following new first paragraph:

This application is a divisional of Application No. 09/489,717 filed January 24, 2000,
now U.S. Patent No. 6,649,256 B1 issued November 18, 2003.

Please add the following new paragraph [0012.1] after current paragraph [0012]:

[0012.1] Another embodiment of the present invention is a method for orienting with respect to an article surface a plurality of non-spherical particles. The method comprises disposing non-spherical metal particles in a non-metallic and electrically non-conductive medium having a viscosity which can be increased, each particle including a major dimension, and each particle being capable of being moved by a force applied to each particle, the medium being in a fluid condition with the viscosity selected to provide a selected surface tension in the medium. The method further comprises disposing the medium with the particles on a surface of an article, the article surface having a complex, three-dimensional, non-planar shape. The method further comprises maintaining the medium in the fluid condition for a time selected to enable the surface tension to locate at least about 50% of the plurality of particles with the major dimension in a position generally along the article surface in respect to which each particle is disposed, the particles being physically separated from one another such that the medium remains electrically non-conductive.

Please add the following new paragraph [0012.2] after new paragraph [0012.1]:

[0012.2] Another embodiment of the present invention is a method for orienting with

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respect to an article surface a plurality of non-spherical particles. The method comprises disposing non-spherical metal particles in a non-metallic and electrically non-conductive matrix having a viscosity of which can be increased, each particle including a major dimension, and each particle being capable of being moved by a force applied to each particle, the matrix being in a fluid condition with the viscosity and concentration selected to provide a selected surface tension in the matrix. The method further comprises disposing the matrix with the particles on a surface of an article, the article surface having a complex, three-dimensional, non planar shape. The method further comprises maintaining the matrix in the fluid condition for a time selected to enable surface tension to locate at least about 50% of the plurality of particles with the major dimension in a position generally along the article surface in respect to which each particle is disposed, the particles being physically separated from one another such that the matrix remains electrically non-conductive.

Please add the following new paragraph [0012.3] after new paragraph [0012.2]:

[0012.2] Another embodiment of the present invention is a method for orienting with respect to an article surface a plurality of non-spherical particles. The method comprises disposing non-spherical metal particles in a non-metallic and electrically non-conductive medium having a viscosity which can be increased, each particle including a major dimension, and each particle being capable of being moved by a force applied to each particle, the medium being in a fluid condition with a viscosity and a concentration selected to provide a selected surface tension in the medium. The method further comprises disposing the medium with the particles on the article surface, the article surface having a complex three-dimensional, non-planar shape. The method further comprises maintaining the medium in the fluid condition for a time selected to enable a combination of gravity and surface tension to locate at

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least about 50% of the plurality of particles with the major dimension in a position generally along the article surface in respect to which each particle is disposed, the particles being physically separated from one another such that the medium remains non-conductive.